KOROGODIH, V.I.; MALINOVSKIY, O.V.; PORYADKOVA, N.A.; IZMOZHEROV, N.A.

Problem of the reversibility of various forms of radiation injury in diploid yeast cells. TSitologia 1 no.3:306-315 Hy-Je 59. (MIRA 12:10)

1. Kafedra biofiziki Moskovskogo universiteta, Leboratoriya radiobiologii Instituta fiziologii im. I.P.Pavlova AN SSSR, Leningrad, Leboratoriya biofiziki Instituta biologii Ural'skogo filiala AN SSSR, Sverdlovsk.

(RADIATION--PHYSIOLOGICAL EFFECT) (YMAST)

KOROGODIN, V.I.; LYU AY-SHEN' [Liu Ai-shen]

Features of the effect of ionizing irradiation on the haploid yeasts Zygosuccharomyces Bailii. TSitologiia 1 no.4:379-386 J1-Ag 59. (MIRA 12:10)

1. Kafedra biofiziki Moskovskogo universiteta.
(GAMMA RAYS--PHYSIOLOGICAL EFFECT)
(YRAST)

KOROGODIN, V.I.; TARUSOV, B.M.; TAMBIYEV, A.Rh.

Relation of postirradiation restoration reactions to the density of cell suspension, temperature and oxygen pressure [with summary in English]. Biofisika 4 no.2:224-227 '59. (MIRA 12:4)

1. Biologo-pochvennyy fakulitet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lemonosova.

(YRASTS, effect of radiations,

gamma rays, eff. of suspension density, temperature & oxygen on post-irradiation reactions (Rus)) (GAMMA RAYS, effects,

on yeasts, eff. of suspension density, temperature & oxygen on post-irradiation reactions (Rus))

AGRE, A.L.; KOROGODIN, V.I.

Distribution of radioactive pollutions in stagnant water. Med. rad. 5 no.1:67-73 Ja 160. (MIRA 15:3)

1. Iz kafedry biofisiki biologo-pochvennogo fakuliteta Moskovskogo gosudarstvennogo universiteta. (WATER POLLUTION) (RADIOACTIVE SUBSTANCES)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810008-0"

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KOROGODIN, V.I.; LUCHNIK, N.Y.

Problem of the nature of primary changes in radiation cell injury. Biofizika 5 no.1:88-90 60. (MIRA 13:6)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta i laboratoriya biofiziki Ural'skogo filiala AN SSSR.

(RADIATION INJURY exper.)

KOROGODIN, V.I.; MAMEDOV, T.G.

Effect of irradiated plant seedlings on the growth of nonirradiated seedlings. Biofizika 5 no. 2:186-188 '60. (MIRA 14:4)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

(PLANTS, EFFECT OF RADIATION ON)

30367

27.1220

AUTHORS:

E.M. Karabayev, and V.I. Korogodin

TITLE

The effects of temperature and oxygen on the primary lesions which arise in cells due to irradiation (Experiments

on diploid yeast organisms)

PERIODICAL:

Radiobiologiya, v. 1, no. 5, 1961, 653 - 658

TEXT: The experiments were calculated to clarify certain aspects of the energetic metabloism in the postradiation restoration of cells. The aspects were: The fate of the primary radiobiological lesions which, through unfavorable conditions, did not succeed in being "restored"; whether these lesions become irreversible or whether they preserve their "restorability". Experiments were carried out with Saccharomyces vini var. Megri-139-B, irradiated with gamma-rays in a FYT-Co-400 (GUT-So-400) apparatus at an intensity of 1000-1450 r/min. The yeasts were incubated at 0° C in sterile water or on a nutrient medium, at 30° C in sterile water with free access of oxygen or in a state of anoxia. The results proved convincingly that

Card 1/3

30367

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The effects of temperature and ...

neither temporary storage of the irradiated yeasts at low temperature nor incubation in a starvation medium at 30°C in a state of anoxia led to an increase in the survival rate. Further tests revealed that keeping the irradiated yeasts at 0° C or in a state of anoxia had no effect on the subsequent reparatory changes when the yeasts were transferred into conditions conducive to restoration. A third series of tests studied the effects of prolonged (up to 6 hr) maintenance of the yeast cells, in conditions not conducive to restoration, on the reversibility of the primary biological lesions resulting from irradiation. The results showed that this treatment in no way impaired the yeast cells' restorability. Consequently, low temperatures or anoxia prevented the restoration of viability in irradiated diploid yeast cells incubated in a non-nutrient medium, the lesions due to radiation, however, retained their reversibility. The authors extend the hypothesis that reparation of irradiated cells is perhaps achieved by the final destruction and the removal from the cells of those structural elements which had been partially damaged by irradiation. There are 2 figures, 2 tables and 13 references: 8 Soviet-bloc and 5 non-Soviet-bloc. The references to the 4 most recent English-language publications read as

Card 2/3

30367 \$/205/61/001/005/002/005 D299/D304

The effects of temperature and ...

follows: A.W. Pratt, W.S. Woos, M. Eden, J. Nat. Cancer Inst., 15, 1039, 1955; P.E. Kimbal, N. Gaither, S.M. Wilson, Radiation Res., 10, 490, 1959; N.E. Gillies, T. Alper, Nature, 183, 237, 1959; T. Alper, Radiation Res., 5, 537, 1956.

ASSOCIATION: MGU, Kafedra biofiziki (MGU, Department of Biophysics)

W

Card 3/3

27.1220 also 2209

32750 \$/205/61/001/006/010/022 D268/D305

AUTHORS:

Alekseyeva, S.I., Grayevskiy, Ye.Ya., Korogodin, V.I.,

Nekrasova, I.V., and Tambiyev, A.Kh.

TITLE:

The effect of cell suspension density on radiosensi-

tivity of yeasts

PERIODICAL: Radiobiologiya, v. 1, no. 6, 1961, 878 - 886

TEXT: The correlation between concentration of suspensions and radiosensitivity was studied in 5 yeast strains: the haploid Zygosaccharomyces bailii, diploid Saccharomyces vini Megri 139-B, and 3 strains of S. cerevisiae, haploid 127-12 d, diploid WY-110, and tetraploid 16 x 32. Strains were cultured on wort agar at 28 - 30°C and irradiated after 2 - 3 days development. Either aliquots obtained by scraping hard medium or by centrifuging dense solutions, or suspensions with a concentration of 109 - 104 cells/ml. were irradiated. A PYN-200 apparatus (RUP-200 industrial X-ray unit 200) with a dose rate of 5,400 r/min. was the X-ray source, and a 17T-Co-400 apparatus (GUT-Co-400, therapeutic gamma unit Co 400) the Card 1/5

32750

The effect of cell suspension ...

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gamma-ray source. Strains were also irradiated in 5 - 10 % egg protein solution. Cell viability was determined by counting macro- and micro-colonies, incubated on wort agar at 30°C, according to methods previously described by Korogodin (Ref. 8-9: Biofizika, 2, 178, 1957; 3, 206, 1958). Oxygen content in aqueous suspensions at different concentrations was determined polarographically by a method described by Konstantinova and Grayevskiy (Ref. 10: Dokl. AN SSSR, 132, 1427, 1960). Aqueous suspensions of the 3 S. cerevisiae strains exposed to X-rays showed a fall in dose effectiveness as the cell suspension concentration increased. The oxygen content was determined polarographically in suspensions at different concentrations. Results showed a clear fall in oxygen tension as the suspension concentration increased. Respiration intensity was determined in Z. Bailii and Megri 139-B and showed that the  $Q_{02}$  for the former was 840  $\pm$  156, and for the latter 3,100  $\pm$  320  $\mu$ l./hour for 1010 cells. It was much lower in haploid than in diploid cells. Accordingly the concentration effect would be weaker in Z. bailii than in Megri 139-B. If the effect were due to oxygen deficiency, suspension concentration would affect radiosensitivity rather less Card 2/5

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The effect of cell suspension ...

with irradiation in oxygen-free conditions than in aerated water, especially in a strain with low respiration intensity. This would be in line with the views of Gunter and Kohn (Ref. 3: J. Bacteriol., 72, 422, 1956). 106 cells/ml. suspensions and aliquots from both strains were exposed to gamma-irradiation in the atmosphere and in a vacuum, and viability determined according to micro-colonies. Results completely confirmed the proposition. The dose effectiveness reduction coefficient for the haploid strain irradiated in air was 0.81, and for the diploid 0.47. In conditions of anoxia, no concentration effect was observed for the former, while in the latter the dose effectiveness reduction coefficient was 0.81. Oxygen content in suspensions in a vacuum was 3 - 5 % compared with that in dilute suspensions in the air. Irradiation of 106 cells/ml. suspensions of haploids and diploids in 5 and 10 % egg protein solutions with gamma-rays showed no protective reactions by the proteins. According to Gunter and Kohn yeast cells are also only very mildly sensitive to H202. Tests were made with 4 strains. Results showed that though they differed in their sensitivity, haploids being most sensitive, Hoo, only affected viability noticeably at concentrations

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The effect of cell suspension ...

of 13.4 and 28.8 µg./ml. Experiments were also made to determine the effect of suspension concentration at the time of irradiation on post-radiation recovery with Megri 139-B, whose post-radiation recovery has been already described by Korogodin (Ref. 7: Biofizika, 3, 703, 1958). Exposure was to gamma-irradiation. Part of the suspension was sown on nutrient medium immediately after irradiation and part at 24 - 48 hours. Viability was determined by macrocolonies. In both cases change in dose effectiveness was largely dependent on suspension concentration at irradiation. The extent of post-radiation recovery of yeast cells was virtually independent of their concentration at irradiation, the dose effectiveness reduction coefficient fluctuating within 0.41 ± 0.03. It is concluded that at concentration effect was produced when yeast cells were irradiated with X- and gamma-rays in normal air and in one case with oxygen deficiency. Radiosensitivity was independent of suspension density up to a concentration of 106 cells/ml., but increased proportionally to the concentration logarithm with a further increase in density. The concentration effect was more pronounced in the strain with greater respiration intensity. The very poor sensitivity of yeast cells to H<sub>2</sub>O<sub>2</sub> was demonstrated, as well as the reduct-Card 4/5

BILUSHI, V.; KOROGODIN, V.I.

Comparative analysis of the restoration of diploid yeasts following alpha and gamma irradiation. Dokl. AN SSSR 138 no.5:1208-1211 Je \*61. (MIRA 14:6)

l. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR i Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom V.A.Engel'gardtom.

(YEAST) (ALPHA RAYS—PHYSTOLOGICAL EFFECT)
(GAMMA RAYS—PHYSTOLOGICAL EFFECT)

	Dependence of Primary Radiobiological Lectors of	me the Functional State of Cells During the Post-Radiation Period  E. M. Karabary and V. I. Korogodie				
	It is known that the survival of many unicellular organisms irradiated with ionizing radiations depends on the conditions after irradiation. Experiments with yeast cells allow the following conclusions: (1) the primary radiable-logical lesions caused in cells, directly or soon after irradiation, result in irreversible changes only when they involve certain processes of the life cycle of the cell, related probably to the duplication of biological macromolecules; (2) prior to the moment of expression, the primary lesions either remain unchanged (at least quantitatively) or else are "restored" provided suitable conditions exists (3) one of the basic conditions of "post-radiation restoration" is the rate of energy turnover in irradiated cells, observable in their respiration or their fermentation. Finally, the significance is discussed of the phenomenon of post-radiation "restoration" for the study of the mechanism of the biological effect of ionizing radiations.					
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PETROV, R.V.; KOROGODIN, V.I.; LYASS, F.M.; NEYFAKH, A.A.; ROMANTSEV, Ye.F.; VEREVKINA, N.M., red.; MORGUNOVA, G.M., tekhn. red.

[Contribution of radiology to the development of the medical and biological disciplines]Vklad radiologii v razvitie medikobiologicheskikh distsiplin. [By] R.V.Petrov i dr. Minsk, Izdvo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 145 p. (MIRA 15:9) (RADIOLOGY) (RADIOLOGY, MEDICAL)

43478

S/205/62/002/006/004/021 E027/E410

27.1220
AUTHORS:

Korogodin, V.I., Karabayev, E.M.

TITLE:

The relationship between the effectiveness of gamma irradiation of diploid and haploid yeast and the conditions of post-radiation maintenance

PERIODICAL: Radiobiologiya, v.2, no.6, 1962, 824-830

The authors have investigated the effect of environmental conditions on the survival of a diploid strain of Saccharomyces vini and a haploid strain of Zygosaccharomyces baili after gamma The organisms were suspended in sterile tap-water irradiation. and exposed to a cobalt source of strength 1000 r per minute for various times, after which they were plated out at various temperatures on 2% agar media containing varying concentrations of The number of colonies growing up from irradiated and unirradiated cells of the diploid yeast was studied with various concentrations of must (0.2 to 17 Balling) and at temperatures of The survival was clearly influenced by both factors, 20 to 37°C. which had an additive effect. The maximum degree of survival (46%) was obtained at 30°C on a medium containing 0.2 Balling of must and the minimum (0.65%) at 37°C with 5 Balling. Card 1/2

The relationship between ...

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percentage survival of the diploid yeast can thus be varied over 70-fold range by adjusting the post-radiation conditions. Similar results were found for the haploid strain. The survival of irradiated cells depends on the influence of the environmental conditions, on the intensity of the recovery processes and on the duration of time during which the initial potential injuries are reversible, i.e. the completion of the first cell division cycle. Hence, any combination of conditions which retard the completion of the first cell division and intensify the reparative processes should increase survival. There are 2 figures and

ASSOCIATIONS:

Institut meditsinskoy radiologii AMN SSSR, Obninsk (Institute of Medical Radiobiology AMS USSR, Obninsk) Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova, biologo-pochvennyy fakul'tet (Moscow State University imeni M.V.Lomonosov, Biology and Soil Science Division)

SUBMITTED: Card 2/2

March 2, 1962

KARABAYEV, E.M.; KOROGODIN, V.I.

Role of oxygen in postirradiation cell restoration. Zhur. ob. biol. 23 no.2:150-152 Mr-Ap '62. (MIRA 15:5)

1. Department of Biophysics, State University of Moscow. (YEASTS) (PLANT CELLS AND TISSUES)

KOROGODIN, V.I.; YEGOROV, A.Ya.; KABAKOV, Ye.N.; MARKOVA, L.I.

Comparative study of light and dark reactivation of yeast cells of different ploidy injured by ultraviolet radiation. Zhur.ob. biol. 23 no.4:302-307 Jl-Ag '62. (MIRA 15:9)

1. Department of Biophysics, State University of Moscow and All-Union Research Institute of Phytopathology.

(ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT)(CHROMOSOME NUMBERS)

KOROGODIN, V.I., kand, biologicheskikh nauk

"Polymers, cell, and life" by N.V. Lysogorov, V.S. Tongur. Reviewed by V.I. Korogodin. Nauka i zhian' 29 no.6:74 Je '62. (MIRA J5:10) (BIOCHEMISTRY) (LYSOGOROV, N.V.) (TONGUR, V.S.)

#### S/205/63/003/001/009/029 E028/E185

AUTHORS: Korogodin V.I., Bilushi V., Markova L.I., and

Shekhtman Ya.L.

TITLE: Restoration of the viability of yeast cells of varying

ploidy after irradiation with a-particles

PERIODICAL: Radiobiologiya, v.3, no.1, 1963, 39-44

TEXT: The cells of 12 strains of yeast of varying ploidy were irradiated in thin layers with  $\alpha$ -particles and were then tested for viability by plating out on wort-agar. The sources of

radiation used were  $^{239}$ Pu, giving a dose of 50 rad/min at a distance of 13 mm from the surface, and  $^{210}$ Po giving at 8 mm a dose of 10 200 rad/min. Irradiation was continued for periods ranging from a few minutes to several hours, and was carried out at 1 - 2 °C and at room temperature. The results showed that the LDa 10 was dependent on ploidy, the haploid strain being the least and the diploid strain the most radioresistant. With the higher ploidy up to 6 radioresistance declined in one set of strains (Mortimer), but increased in a set obtained from another source Card 1/2

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ASD/AFWL AR/K

AUTHORS: Buyevich, Yu. A., Karabayev, E. M., and Korogodin, V. I.

TITIE: The choice of a model which describes restoration of vitality of yeast cells damaged by gamma radiation,

PERIODICAL: Radiobiologiya, v. 3, no. 2, 1963, 197-203

TEXT: The objects of the investigation were Saccharomyces vini, Megri-139-B strain and Zygosaccharomyces Bailii. Two possible models of postradiation restoration of damaged yeast cells were considered — the model of "cellular" or "spontaneous" restoration and "gradual" restoration model. It was shown that postradiation restoration of Saccharomyces vini occurs gradually by slow decrease in the degree of damage. There are 2 tables, 4 figures and a 10-item bibliography.

ASSOCIATION: Institut meditsinskoy radiologii AMN SSSR (Institute of Medical Radiology of the Academy of Medical Sciences of the USSR), Obninsk; Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova Biologopochvennyy fakul tet (Moscow State University im. M. V. Lomonosov.

Department of Biology and Soils)

SUBMITTED: March 2, 1962

Card 1/1

KOROGODIN, V.I.

Foreword. Trudy MOIP. Otd. biol. 7:5-6 . 63.

Role of the ploidy factor in radiation injury of cells and some genetic effects of radiation.

181-161

GRAYEVSKIY, E.Ya.; KOROGODIN, V.I.; KUZIN, A.M., ; MODKALEV, Yu.I.; SMIRNOV, K.V.; STREL'ISOVA, V.N.; SHAPIRO, N.I., doktor biol. nauk; SHIKHODYROV, V.V.; EYDUS, L.Kh.; ALEKSAKHIN, R.M., red.

[Principles of radiobiology] Osnovy radiatsionnoi biologii. Moskva, Nauka, 1964. 402 p. (MIRA 18:1)

- 1. Akademiya nauk SSSR. Institut biologicheskoy fiziki.
- 2. Chlen-korrespondent AN SSSR (for Kuzin).

ACCESSION NR: AP4015090

\$/0205/64/004/001/0083/0091

AUTHOR: Korogodin, V. I.

TITLE: Time periods in which potential radiation injuries are

realized in diploid yeast cells

SOURCE: Radiobiologiya, v. 4, no. 1, 1964, 83-91

TOPIC TAGS: diploid yeast cell, Saccharomyces Vini, gamma-irradiation, potential radiation injury, cell chromosome abnormality, cell regeneration, gamma radiation dose, budding cell level, incubation duration, regenerable cell level, mathematical data analysis

ABSTRACT: This study was carried out to establish the period of the life cycle at which potential injuries responsible for the death of irradiated cells are realized, and the period at which potential injuries responsible for chromosome abnormalities are realized. Diploid yeast suspensions (Saccharomyces Vini, Megri-139-B strain) containing 0.1-0.03% budding zooids were gamma-irradiated (GUT-Co-400 unit, 1350 r/min) with single doses from 100 to 315 km. The

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ACCESSION NR: AP4015090

suspensions were incubated at 30°C for 5 to 8 hrs following irradiation. To maintain a constant concentration, the incubation period was terminated in all cases before the buds could separate from the irradiated cells. The level of budding cells was determined by taking suspension samples every hour for 8 hrs. Survivability of cells was determined by comparing the number of colonies in experimental and control samples after a 4 day incubation period. Findings show that all cells irradiated with doses ranging from 100 to 315 kr can form one or several buds before inactivation. Survivability or, to be more exact, the number of regenerable cells depends on duration of the incubation period. During the first hours of incubation the regenerable cell level does not change in cells in which potential injuries have not been realized, and then this level rapidly decreases depending on the radiation dose. This decrease becomes marked when the number of budding cells reaches 20-30%. The level of regenerable cells decreases to a minimum value at the end of the eighth hour of incubation when almost all irradiated cells have formed buds. On the basis of mathematical analyses of the experimental data and on the basis of literature sources, the author draws the conclusion that the realization of potential injuries responsible for

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ACCESSION NR: AP4015090

the death of irradiated cells and the realization of potential injuries responsible for chromosome abnormalities take place in the same period of the life cycle and the mechanism is probably the same.

Orig. art. has: 3 figures and 5 tables.

ASSOCIATION: Institut meditsinskoy radiologii AMN SSSR, Obninsk (Institute of Medical Radiology AMN SSSR)

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ACCESSION NR: AP4027983

or, on the contrary, of lethally damaged cells. Experimental data demonstrate that lysis of Sacch. vini Megri-139-B yeast and Sacch. cerivisiae 16 x 32 yeast practically do not affect the shapes of regeneration curves with 8 to 9 day incubation after irradiation in sterile water at 30°C. Under these conditions lyses of the two cell strains are insignificant or completely absent. However, lyses of Sacch. cerevisiae, X-320 and X-362 yeast cells markedly affect the shapes of the regeneration curves, mostly the nonlethally damaged cells. The true cell regeneration process of these two strains is is: best reflected by curves based on the microcolony method. Regeneration curve plateaus for all investigated yeast strains are dependent on the existence of a true radiation damage irreversible component, and not on lysis participation. Orig. art. has: 9 formulas and 3 figures.

ASSOCIATION: Institut meditsinskoy radiologii AMN SSSR, ... Obninsk (Medical Radiology Institute AMN SSSR)

Submitted: 01Nov63

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 SUB CODE: LS

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KAPULITSEVICH, Yu.G.: KCHOGODIN, V.I.

Statistical models for postradiation cell restoration. Radiobiologiia & no.3:349-356 164.

(MIRA 17:11)

1. Institut meditsinskoy radiologii AMN SSSR, gorod Obninsk.

KOROGODIN, V.I.

Kinetic regularities of the postradiation restoration of cells. Med. rad. 10 no.8:17-24 Ag '65. (MIRA 18:9)

1. Otdel obshchey radiobiologii i radiatsionnoy genetiki (zav. - doktor biolog. nauk N.V.Timofeyev-Resovskiy) Instituta meditsinskoy radiologii AMN SSSR.

ZEDGENIDZE, G.A.; GORIZONTOV. P.D.; MOSKALEV, Yu.I.; SVYATUKHIN, G.S.; KOROGODIN, V.I.; KOSTELYANTS, B.L.; STRELIN, G.S.

Brief news. Med. rad. 9 no.2:74-84 D \*64.

(MIRA 18:12)

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EYT(1)/EYT(m)/T 21942-66 ACC NRI AP6014655 UR/0241/65/010/008/0017/0024 SOURCE CODE: AUTHOR: Korogodin, V. I. ORG: Department of General Radiobiology and Radiation Genetics /headed by Doctor of Biological Sciences N. V. Timofeyev-Resovskiy/, Institute of Medical Radiology, AMN SSSR (Otdel obshchey radiobiologii i radiatsionnoy genetiki Instituta meditsinskoy radiologii AM SSSR) TITLE: Kinetic patterns of the postradiation recovery SOURCE: Meditsinskaya radiologiya, v. 10, no. 8, 1965, 17-24 TOPIC TAGS: gamma irradiation, alpha particle, enzyme, genetics, radiation biologic effect, radiation injury The phenomenon of the postradiation recovery of cells may be investigated from two standpoints, by stressing either its kinetic patterns or its underlying biochemical processes. Any fruitful research into the biochemical nature of this recovery depends on the selection of units for quantitative consideration of the process, and this in turn requires formulating a working hypothesis and an adequate statistical model of the process. This is why the study of the kinetic patterns of postradiation recovery is essential. In this connection, the author presents the results of an investigation of the yeast Sacch. vini (Megri-139-V) grown on wort agar; a 2-3 day culture of such yeast contains 99.2-99.8% "quiescent" cells. Portions of an Card 1/3UDC: 616-018.1-001.28-036.82 (042

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ACC NR: AP6014655

aqueous suspension of these cells were exposed to gamma-irradiation or the action of alpha-particles and thereupon disseminated on the culture medium and incubated at 30°C. After this the survival rate of the irradiated cell was investigated as a function of recovery time, i.e., of the interval between irradiation and placement in the culture medium. It is shown that the postradiation recovery of cells is never complete owing to the occurrence of irreversible elementary injuries. The elementary unit for a quantitative consideration of the process is the probability of recovery from a single elementary injury. An equation is derived to show that the higher the time t and the recovery constant beta the lower the effectiveness of irradiation of cells with a given dose. Thus, in every individual radiobiological experiment the magnitude of the final effect (e.g., survivability) is a consequence of not only the initial injury to the cells on irradiation with a given dose, but also of the subsequent recovery. It is now virtually established that the lethal consequences of radiation too are associated with damage to the genetic apparatus of the cells. It is also know that, qualitatively, the genetic effects of radiation do not differ from spontaneous gene and chromosome mutations. The possibility is noted that in experiments with postradiation recovery the activity of the biological systems which in nonirradiated cells are designed to eliminate premutagenic changes are being revealed. If further research answers this question affirmatively, this would mean that the research into the postradiation recovery of cells has made it possible to establish a new law of general biology; the existence,

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of radiobiological investigation. There are 737 references of which 278 are Soviet.

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CIA-RDP86-00513R000824810008-0

Literature -- 368

Epilogue -- 385

SUB CODE: 06/

SUBM DATE: 31Mar66/

ORIG REF: 500/ OTH REF: 337/

Card 3/3

GLADKIKH, V.F.; KELLINA, O.I.; KOROGODINA, Yu.V.

Data on the tolerance of laboratory animals for the antimalarial cycloquin. Med.paras. i paras.bol. 28 no.4:443-448 J1-Ag 159.
(MIRA 12:12)

1. Iz Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. instituta -prof. P.G. Sergiyev).

(AFTIMALARIALS pharmacology)

# KELLINA, O.I.; KOROGODINA, Yu.V.

AND THE PROPERTY OF THE PROPERTY OF

Tolerance for cycloquin combined with chloridine in experimental conditions. Med.paras. i paras.bol. 28 no.4:448-454 J1-Ag 159.

(MIRA 12:12)

1. Iz otdeleniya farmakologii i khimioterapii Instituta malyarii,
meditsinskoy parasitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. P.F. Sergiyev, zav. otdeleniyem
- prof. Sh.D. Moshkovskiy).

(ARTIMALARIALS pharmacology)

GLADKIKH, V.F.; KOROGODINA, Yu.V.

Toricological and certain pharmacodynamic properties of quinocide.

Med.paraz.i paraz.bol. 29 no.43440-447 Jl-Ag 160. (MIRA 13:11)

l. Iz gel'mintologicheskogo otdela (zav. - prof. V.P. Pod"yapol's skaya) Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo (dir. - prof. P.G. Sergiyev)

Ministerstva zdravookhraneniya SSSR.

(QUINOLINE)

Conditagenine toxicology, Med.parar.i parar.bol. 29 no.65650-(MIRA 14:2)
654 \*60.

1. Is otdels gel\*mintologii Instituta meditsinskoy paramitologii i tropicheskoy meditsiny inseni Is.I. Martsinovskogo Ministerstva introvokhrameniya SSSR (dir. instituta — prof. P.G. Sergiyev, mav. otdelom — prof. V.P. Pod\*papol\*skaya).

(ANTHEIMISTICS) (GARROCTANINE IODIDE)

ALMAZOYEVA, V. V.; BATAYEV, P. S.; STAVROVSKAYA, V. I.; AKSEYENKO, G. R.;
BEZZUBOVA, V. P.; VOROB'YEVA, Z. G.; GLADKIKH, V. F.; ZHUKOVA, L. I.;
ZUYEVA, N. K.; KOROGODINA, Yu. V.; KLIMOVA, L. P.; KRYLOV, A. S.;
MASLOV, A. V.; PLYKRE, A. E.; SADOVSKAYA, G. Yu.; SPERAMSKAYA, V. N.;
SOLOVEY, V. Ya.; TURCHINS, M. Ye.; SHAMRAY, A. F.; SHIPTSINA, N. K.;
SHINKEVICH, M. A.

Field trials of new repellents. Med. paraz. i paraz. bol. no.4: 457-464 '61. (MIRA 14:12)

1. Iz entomologicheskogo otdela i otdela sinteticheskikh preparotov Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye. I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. P. G. Sergiyev, zav. otdelami - prof. V. N. Beklemishev i prof. V. I. Stavrovskaya)

(INSECT BAITS AND REPELLENTS)

KOROGODINA, Yu.V.

Charasteristics of the damage of chick blastoderm cells after irradiation in ovo. Radiobiologila 5 no.3:462-408 '65. (MIRA 18:7)

1. Institut meditainskoy radiologil ANN SSSR, Chnimsk.

KOROGODINA, Yu.V.

Some results of the observations on the development of irradiated chick blastoderm. Radiobiologiia 5 no.4:559-561 (65. (MIRA 18:9)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810008-0

32 (3)

SOV/112-57-5-10942

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 5, p 197 (USSR)

AUTHOR: Korogodskaya, R. L., Madison, V. P.

TITLE: Selector Testers for Decade-Step Railroad Automatic Telephone Central Offices (Pribory dlya ispytaniya iskateley ZhATS dekadno-shagovoy sistemy)

PERIODICAL: Sb. Leningr. in-ta inzh. zh.-d. transpr., 1956, Nr 151, pp 164-169

ABSTRACT: The Chair of Electric Communications, Leningradskiy institut inzhenerov zheleznodorozhnogo transporta (Leningrad Institute of Railroad Transportation Engineers), in collaboration with the workers of Leningrad Railroad Junction, have developed and built special instruments for service tests of selectors. Connection diagrams of three instruments are presented; two of the instruments are intended for testing repeater-type selectors (type A central offices) and also for testing trunk connectors. The instruments have buzzers for checking the contacts of the call circuit as well as two dials for checking vertical wiper motion with various speeds of dial rotation. Each dial

VOLKOV, Vladimir Mikhaylovich, DTUFUR, Sergey L'vovich, KOROGODSKAYA, Baisa
Livova, Novikov, Vasiliy Aleksandrovich, red.; FEL'DMAN, A.B., inzh.,
red.; BOBROVA, Ye.M., tekhn. rod.

[Telephony] Telefoniis. Fod obshchel red. V.A.Movikova. Moskva, Gos.
transp. shel-dor. isd-vo, 1958. 404 p.

(Telephone)

(Telephone)

- 1. MIRONOV, V. S.; KOROGODSKIY, B. D.
- 2. USSR 600

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- 1. School Gardens
- 7. Work practice in the school garden, Est. v shkole, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

The second secon	no.3:52-55	My-Je 'oc.		* Khim. \ shkole (MIRA 15	
	l. Hachal'nik dorozhnogo pedagogicheskogo kabinsta Severo-Kavkasakoy zhelesnoy dorogi.  (Teachers, Training of)  (Chemistry-Study and teaching)				
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В

L 39494-65 ENG(1)/ENG(r)/ENT(1)/FS(v)-3/ENG(v)/ENG(a)-2/ENG(c) Pa-5 DD ACCESSION NR: AP5007790 S/0177/64/000/006/0053/0054

AUTHOR: Korogodskiy, G. M. (Lieutenant colonel of medical service); Kapustnik, A.Ya. (Lieutenant colonel of medical service)

TITLE: A case of severe decompression sickness

SOURCE: Voyenno-meditsinskiy zhurnal, no. 6, 1964, 53-54

TOPIC TAGS: decompression sickness, aviation medicine, therapy, blood, central nervous system

ABSTRACT: A description is presented of acute, severe decompression disorders in a navigator who stayed in a depressurized cabin for 30 minutes at an altitude of 11,000 m. Coma, deviation of vision to the left, cerebellar asynergy, and decreased pain and temperature sensitivity with retention of tactile sensitivity on the right side of the face suggested right trunk localization of the process. The care is an altitude of the right side of the face suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process. The care is a suggested right trunk localization of the process is a suggested right trunk localization of the process is a suggested right trunk localization of the process is a

ACCESSION NR: AP5007790	The second secon	A T
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ASSOCIATION: none		
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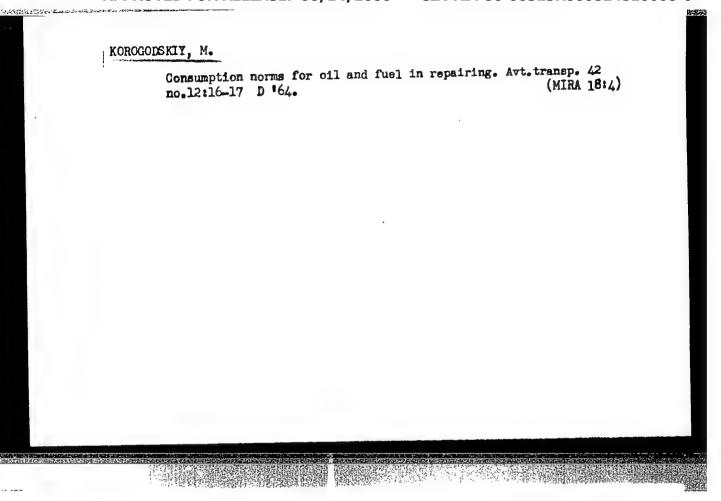
# KOROGODSKIY. H.

Measures for increasing the durability of tires. Avt.transp. 37 no.1:51 Ja '59. (NIRA 12:2)

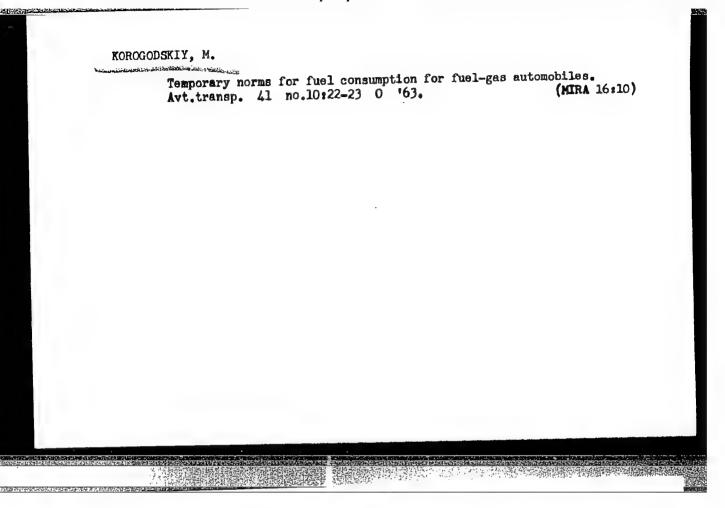
1. Zamestitel' nachal'nika tekhnicheskogo upravleniya Ministerstva avtomobil'nogo transporta i shosseynykh dorog USSR.

(Automobiles--Tires)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810008-0"



	New technical specifications (Ava. transp. 41 no.4:54 Ap '63. (MIRA 16:5)  1. Zamestitel' nachal'nika tekhnicheskogo upravleniya Ministerstva avtomobil'nogo transporta i shossaynykh dorog UkrSSR.				
	(Transportation, AutomotiveSpecifications)				



KOROGODSKIY, M.V.; SHEYNIN, A.M., redaktor; MULIKOVA, I.F., tekhnicheskiy

[Work practice with sutmobile trains; work practice of driver V.P. Bondarchuk of the auto brigade of the All-Union transportation

Maintenance Association] Opyt raboty na avtopoezde; iz opyta raboty shofera Kirovogradskoi avtoroty Soiuzzagottransa V.P.Bondarboty shofera Kirovogradskoi avtoroty Soiuzzagottransa V.P.Bondarboty shoka. Moskva, Bauchno-tekhn.isd-vo avto-transportnoi lit-ry. 1955.

(MIRA 9:2)

ZELENCHUK, Yevgeniy Vasil'yevich; KISHCHINSKIY, Sergey Semenovich; KOROCOD-SKIY, Miron Vladimirovich; VASIL'YEV, N.S., redaktor; KOGAN, F.L., teknnicheskiy redaktor

[Operations of truck columns far from regular bases; experience of leading automotive units of the Ministry of Automotive Transport and Highways of the Ukrainian S.S.R.] Rabota avtomobil'nykh kolonn v otryve ot postciannykh bas; is opyta peredovykh avtokhosiaistv Ministerstva avtomobil'nogo transporta i shosseinykh dorog USSR.

Isd. 2-ce, perer. i dop. Moskva, Hauchno-tekhn. isd-vo avtotransp.

[https://doi.org/10.1006/j.com/10.1006

ZELENCHUK, Ye.V.; ZEL'DES, L.M.; KOROGODSKIY, M.V.; HUDNITSKIY, A., redaktor; VUYEK, M., tekhnicheskiy redaktor.

[Prolonging the life of storage batteries] Uvelichenie sroka slushby akkumuliatornykh batarei, Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1953. 78 p. [Microfile] (MLEA 8:2) (Storage batteries)

1. KOROGODSKIY, M., Eng.

2. USSR (600)

4. Oxyacetylene Welding and Cutting

 Cas welding of thin-walled cast iron parts for automobiles and tractors. MTS 13, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

WAL'CHUK,G.I., inshener; KCROGODSKIY,M.V., inshener

Experiment in restoring thin-welled cast iron machine parts.

Svar. proizv. no.2:26-27 P '55. (MLEA 8:9)

(Cast iron-Welding)

KORCGODEKIY, M. V., A. S. KRAYUSHKIN, F. A. FEDOTOV, M. L. BARABASH

Using Metal-Colloidal Lubricants (Organosol of Iron) for the Running-In of Automobile-Motor Parts

Povsheniye iznosostoykosti i sroka sluzhby mashin. t. 2 (Increasing the Wear Resistance and Extending the Service Life of Machines. v. 2) Diyev, Izd-vo AN UkrSSR, 1960. 290 p. 3,000 copies printed. (Series: Its: Trudy, t.2)

Sponsoring Agency: Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo mashinostroitel' noy promyshlennosti. Tsentral'noye i Kiyevskoye oblastnoye pravleniya. Institut mekhaniki AN UkrSSR.

Editorial Board: Resp. Ed.: B. D. Grozin; Deputy Resp. Ed.: D. A. Draygor; M. P. Braun, I. D. Faynerman, I. V. Kragel 'skiy; Scientific Secretary: M. L. Barabash; Ed. of v. 2: Ya. A. Samokhvalov; Tech. Ed.: N. P. Rakhlina.

COVERAGE: The collection contains papers presented at the Third Scientific Technical Conference held in Kiyev in September 1957 on problems of increasing the wear resistance and extending the service life of machines. The conference was sponsored by the Institut stroitel noy mekhaniki AN UkrSSR (Institute of Structural Mechanics of the Academy of Sciences Ukrainian SSR), and by the Kiyevskaya oblastnaya organizatsiya nauchno-tekhnicheskogo obshchestva mashinostroitel noy promyshlennosti (Keyev Regional Organization of the Scientific Technical Society of the Machine-Building Industry).

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CIA-RDP86-00513R000824810008-0

KOROGODSKIY M.V.

\$/021/61/000/002/010/013 D210/D303

AUTHOR:

Korohods'kyy, M.V.

TITLE:

Running in of certain metals in the presence of orga-

nic iron sols

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 2,

1961. 188 - 191

TEXT: The author gives the results of his investigations into the effect of organic iron sols, added to a standard lubricant, on the running in of a steel-bronze friction-couple. The experiments were running in or a steel-bronze iriction-couple. The experiments were carried out in the Department of Metallurgy and Contact Strength of the Institute of Mechanics of Academy of Sciences UkrSSR, on a frition installation MI, to which some special devices were added Abstractor's note: Description of equipment not given]. The tests—were made with a standard lubricant "2" GOST 1707-51 (subsequently called "A") and with a mixture of this oil with 2.5 % of organic iron sols, prepared in the Institute of General and Anorganic Che-

Card 1/4

S/021/61/000/002/010/013 D210/D303

Running in of certain metals ...

mistry of the Academy of Sciences UkrSSR. [Abstractor's note: Composition of iron sols not given]. The mixture of oil and iron sols is subsequently called "B". The steel used for tests was a tempered standard steel 45; the pressure on the friction-couple was fixed before the tests, the lubricant added by drops on the rotating sample; pressures used were: 25, 75 and 100 kg/cm², with a constant friction rate of 0.47 m/sec and a fixed amount of lubricant added to the friction area. At 25 kg/cm² pressure and a drop of "A" added every 30 sec, the running in proceeded quite smoothly and a 0.25 friction coefficient was attained and stabilized after 50,000 rotation cycles; with a drop of "A" added every 60 sec, this coefficient reached a similar value only after 160,000 cycles. When the pressure was raised to 100 kg/cm² with one drop of "A" every 60 sec, particles of bronze began to stick to the steel roller, covering its whole surface; the temperature of the bronze part of the friction-couple rising to such an extent that a falling oil drop was evaporated in 20-30 sec, and dry friction was observed, the color of the steel roller changing to a very dark one. The

Card 2/4

S/021/61/000/002/010/013 D210/D303

Running in of certain metals ...

adding of lubricant at 30 sec. intervals did not affect the process essentially and only an uninterrupted supply of oil prevented, to some extent, the rollers' excessive heating; but even in that case the amount of friction was six times larger than where a drop of "B" was added under the same pressure at 60 sec. intervals. Therefore, the tests with "A" under 100 kg/cm² pressure were stopped, the pressure lowered to 75 kg/cm² and the lubricant added at first every 60 sec., then every 30 sec., but the results were the same. Friction stabilization was not reached even after 215.000 cycles, the samples being excessively heated and badly worn out. Only when the samples were subjected to previous friction under 45 kg/cm² pressure for 15 min. ("A" added at 30 sec. intervals), the friction coefficient was stabilized during the normal test after 50,000 cycles; but even then the coefficient was 3 times higher than in the case of "B" added every 60 sec. under 100 kg/cm² pressure. To verify these results another series of experiments was carried out with lubricant "B" under 100/cm² pressure, oil added every 60 sec. The transfer of bronze particles was markedly redu-

Card 3/4

#### APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-0

CIA-RDP86-00513R000824810008-0

Running in of certain metals ...

S/021/61/000/002/0±0/U13 D210/D303

ced, the friction coefficient during the first 30 min. (8,000 cycles) was never higher than 0.340, falling after 13,000 cycles to 0.25; which was much faster than with "A" and 25 kg/cm² and oil added at 30 sec. intervals. The stabilization of the friction coefficient with "B" was observed also after 50,000 cycles, but it was twice as low as that with "A" at 25 kg/cm² pressure (oil every 30 sec). For testing the lasting after-effects of "B", during the first two hours, friction was carried out with "B" under 100 kg/cm² pressure, and was oil added every 60 sec; then the test proceeded in the same way with "A". The result was very similar to that obtained with "B" under the same conditions and was more favorable than with "A" at 25 kg/cm² pressure, oil being added every 30 sec. There are 1 figure and 4 Soviet-bloc references.

ASSOCIATION: Institut mekhaniky AN URSR (Institute of Mechanics, AS UkrSSR)

PRESENTED: by Member of Academy of Sciences UkrSSR, F. P.

Byelyankin

SUBMITTED: April 27, 1960

Card 4/4

Using the MI-type machine for studying the running-in of friction pairs. Zav.lab. 27 no.11:1417-1420 161. (MIRA 14:10)

1. Institut mekhaniki AN USSR. (Testing machines)

(Friction)

S/081/62/000/017/094/102 B177/B186

AUTHORS:

Barabash, M. L., Korogodskiy M. V., Krayushkin, A. S.

TITLE:

Metal-polymer films on the friction surfaces of components

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 17, 1962, 545, abstract 17788 (In collection: Plastmassy v mashinostr. i priborostr Kiyov, Gostekhizdat USSR, 1961, 359 - 366)

TEXT: For use in repairing components which have become worn by friction, a method is proposed for obtaining metal-polymer films based on glyptal varnish or epoxy resin 3A-6 (ED-6) and a filler (dispersed phase of organosols of Fe). Methods of depositing the films on glyptal varnish or on the epoxy resin ED-6 are described. It is observed that components suffering from friction wear, including the most essential components (pistons, motor-car engine parts etc.), can be so treated. [Abstracter's note: Complete translation.]

Card 1/1

**Ц3776** 

s/653/61/000/000**/033/051** 1042/1242

//. 9800 AUTHORS:

Barabash, K.L., Korogodskiy, M.Y., and Krayushkin, A.S.

TITLE:

Metal polymer films on the frictional surfaces of

components

SOURCE:

Plastmassy v machinostroyenii i priborostroyenii. Pervaya resp. nauch.-takh. konfer. po vopr. prim. plastmass v machinostr. i priborostr., Kiev, 1959.

Kiev, Gostekhizdat, 1961, 359-366

TEXT: The addition of 0.1 A iron particles improves the effectiveness of lubricants. A large number of these particles reorientates the oil molecules in such a manner as to create a recilient boundary layer. The particles, in addition, tend to fill in and smooth out the surface microroughness. Still, the non-uniform distribution of lubricant creates points of friction which affect the

Card 1/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810008-0

S/653/61/000/000/033/051 I042/1242

Metal polymer films on the ....

performance of the entire machine. A new method of lubrication by coating surfaces with a film which has high adhesion to metal and a low coefficient of friction has been proposed. Such films consist of glyphthalic lacquer of 3A-6 (ED-6) epoxide resin with dibutyl phthalate plasticizer and polyethylene polyamine hardener, and contain 2.5% finely dispersed iron particles. Before application of the film, the surface must be thouroughly degreased and, in case of the epoxide resin, rubbed with activated graphite. The cpoxide film gave better results in laboratory tests. Field tests on piston surfaces in automobile engines showed that the film coat cuts down by a factor of 3 the amount of gases escaping into the crankcase. After 50 000 km the film was used up but no wear was detected on the piston or cylinder surfaces. There are 4 figures.

ARNAUTOV, V.T.; BARANOV, V.M.; DONSKOY, S.A.; PASTUKHOV, A.I.; SMIENOV, L.A.;

TORSHILOV, Yu.V.; TRET YAKOV, M.A.; UDOVENKO, V.G.; FREYDENZON, Ye.Z.;

SHCHEKALEV, Yu.S.; Prinimali uchastiye: MAKAYEV, S.V.; KOMPANIYETS,

G.M.; NAGOVITSYN, D.F.; NOVOLODSKIY, P.T.; VARSHAVSKIY, V.L.;

KOROGCDSKIY, V.G.; KLIBANOV, Ye.L.: MEDVEDEVSKIKH, Yu.; TALANTSEVA,

T.I.; DUBROV, N.F.; DZEMYAN, S.K.; TOPYCHKANOV, B.I.; CHARUSHNIKOV,

O.A.; KHARITONOV, Yu.A.

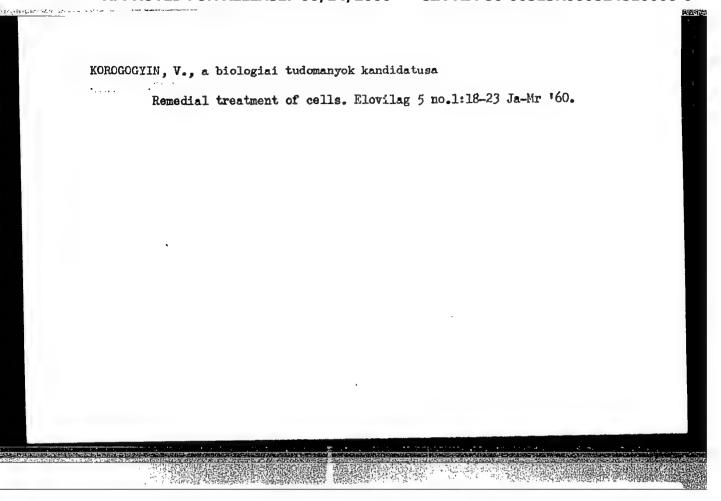
Developing and mastering the technology of converting vanadium cast iron in oxygen-blown converters with a 100 ton (Mg) capacity. Stal' 25 no.6:50%-508 Je '65. (MIRA 18:6)

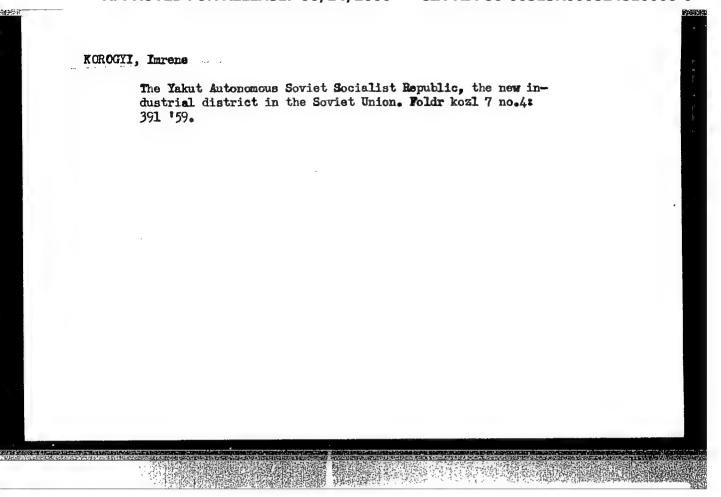
1. Nizhne-Tagirskiy metallurgicheskiy kombinat (for Makayev, Koraya niyets, Nagovitsyn, Novolodskiy, Varshavskiy, Korogodskiy, Klibenov, Medvedevskikh, Talantseva). 2. Uraliskiy nauc mo-issladovateliskiy institut chenykh metallov (for hubrov, Dzemyan, Topychkanov, Charushnikov, Kharitonov).

KOROGODSKIY, Yn.

42569. Opyt Powysheniya Kwalifikatsii Vedushehikh Rabotnikov Avtokhozyaystv (Leningrobl Avtotrest M-va Actotansporta RSFSR.) Automovi. 1948, No. 11, S. 23-24.

Avtotrest M-va Actotansporta RSFSR.)





KOROHODA, Jerzy; ANGELUS, Wojciech

Effect of gibberellic acid upon the concentration of chlorophyll in pea leaves. Nauki matem przyrod Torun no.6:113-116 160.

l. Zaklad Hodowli Roslin, Wyzsza Szkola Rolmicza, Lublin, i Stacja Hodowli Roslin Bronowice k. Krakowa.

KOROHODA, Jety; MILCZAK, Marian

Mulching potatoes with highmoor and ammonia treated peat. Rocz nauk roln rosl 86 no.3:503-25 '62.

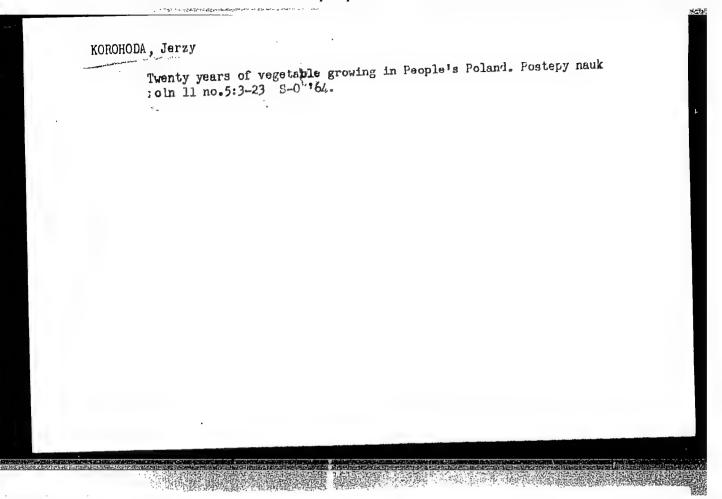
l. Katedra Hodowli Roslin i Masiennictwa, Wyzsza Szkola Rolnicza, Lublin.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810008-0"

KOROHODA, Jerzy

Experiment in applying gibberellic acid in horticulture and agriculture. Nauki matem przyrod Torun no.6:117-125 '60.

1. Zaklad Hodowli Roslin, Wyzsza Szkola Rolnicza, Lublin.



KOROHODA, Jerzy

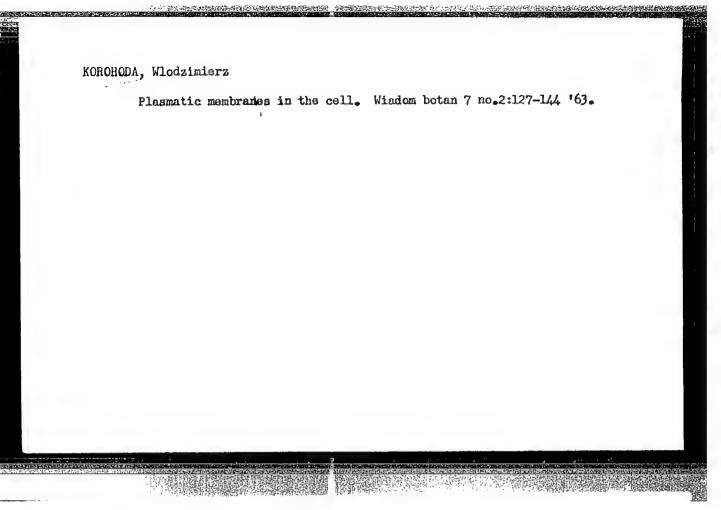
Decreased sugar level of the cerebrospinal fluid in patients with cysticercosis of the nervous system. Pol. tyg. lek. 19 no.13:473-475 23 Mr 164.

1. Z Kliniki Neurologicznej Akademii Medycznej w Krakowie (kierownik: prof. dr. Wladyslaw Jakimowicz).

MUSIAL, Leopold; KOROHODA, Maria Jolanta

New hydantoin derivatives substituted in positions 3 and 5. Pt. 4. Rocz chemii 36 no.11:1607-1614 162.

1. Katedra Chemii, Wyzsza Szkola Pedagogiczna, Krakow.



KOROHODA, W.; LUKIEWICZ, S.

Electrophoretic studies on plant cells, Pt. 1. Folia biol 11 no.1:11-17 '63.

1. Department of Plant Physiology, Polish Academy of Sciences; Head: F. Gorski, Ph.D. and Department of Experimental Zoology, Polish Academy of Sciences, Krakow.; Head: S.Skowron, Ph.D.

PALIADIN, O.V., red.; SEMENENKO, M.P., akademik, red.; SHCHERBAN'. O.N., akademik, red.; GNEDENKO. B.V. [Haiedenko, B.V.], akademik, red.; DELIMARSKIY, Yu.K. [Delimars'kyi, IU.K.], akademik, red.; KAVETSKIY, R.Ye. [Envets'kyi, R.IE.], akademik, red.; KHRENOV, K.K. [Enrienov, K.K.], akademik, red.; KOROID, O.S., kand.ekon.nauk, red.; GUIZEMKO, P.P. [Hudzenko, P.P.], Kand.ist.mauk, red.; SHIKAN, V.L., red.

[Development of science in the Ukraine during the past 40 years]
Rozvytok nauky v Ukraine kii RSR za 40 rokiv. Kyiv. 1957. 529 p.
(HIRA 11:3)
1. Akademiya nauk URSR, Kiyev. (for Semenenko, Shcherban, Gnedenko,

Delimarskiy, Kavetskiy, Khrenov)
(Ukraine--Science)

TOFFE, Yevgeniy Mikhaylovich [Ioffe, IE.M.]; KOROID, O.S., red.

[Problems of socialist reproduction] Deiaki pytannia sotsialistychnoho vidtvorennia. Kyiv. 1958. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh snan' Ukrains'koi RSR. Ser.2, no.5) (MIRA 12:3) (Bussia--Economic conditions)

KOROID, O.S.; BALKOVIY, P.M. [Balkovyi, P.M.]

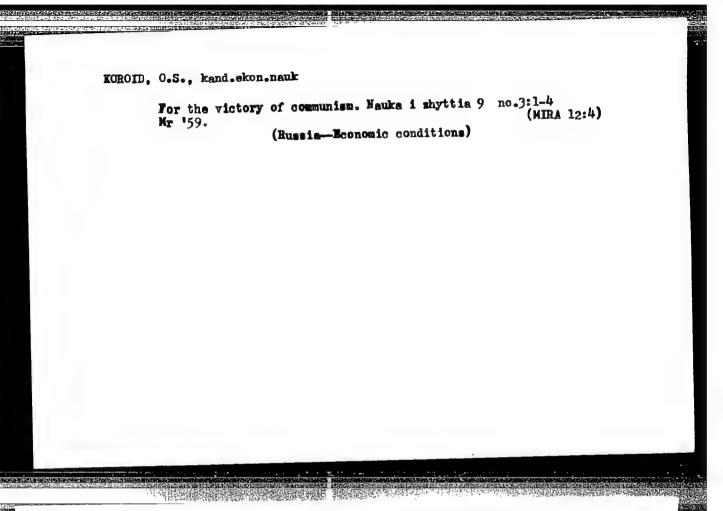
Literature dedicated to the 40th anniversary of the Great October.

Visnyk AN URSR 29 no.1:72-77 Ja '58. (MIRA 11:4)

(Ukraine-History)

APPROVED TOR REFERSE! 05/14/2000, L.C.A.ROPS6-60513R000824810008-0
KOROID, 0.S., kand.ekon.nauk, red.

[Economy and planning of an industrial enterprise] Pytannia ekonomiky i planuvannia promyslovoho pidpriiemstva. Kyiv. 1959. 51 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh snan! Ukrains'koi RSR. Ser.7, no.12) (MIRA 13:2) (Industrial management)



SHEVCHENKO, Anton Yefimovich [Shevchenko, A.IU.], doktor ekonom.nauk; .

KOROID, O.S., kand.ekonom.nauk, otv.red.; TUBOLEVA, N.V.

[Tubolieva, M.V.] red.

[Steady growth in labor productivity is the most important condition for the victory of communism] Neukhyl'ne srostannia produktyvnosti pratsi - naivashlyvisha umova peremohi komunismu. Kyiv, 1960. 55 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh snan¹ Ukrains¹koi RSR. Ser.2, no.4/5).

(Efficiency, Industrial) (MIRA 13:8)

KUKHARENKO, Lidiya Ivenovna, prof.; KOROID, O.S., kand.ekon.nsuk, red.

[Decisive stage in the realisation of Lenin's great ides on the over-all electrification of the country] Vyrishal'na stadiia sdiisnennia idei velykoho Lenina pro sutsil'nu elektry-fikatsiiu krainy. Kyiv. 1960. 60 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh snan' Ukrains'koi RSR. Ser.1. (MIRA 13:5) (Blectrification)

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GANUSETS, O.I. [Henusets, O.I.]; MAKARENKO, O.A.; KOROID, O.S.; kand. ekonom.nauk, otv.red.; RUINITSKAYA, P.P. [Rudnyts ka, P.P.], red.; HAZARENKO, S.G. [Nezerenko, S.H.], red.; KANASHEVICH, O.O., tekhn.red.

[Birth of a new, communist society] Parostky novoho, kommistychnoho.

Kyiv, Vyd-vo Akad.nauk URSR, 1960. 245 p. (MIRA 13:12)

1. Akademiis nauk URSR, Kiyev. Viddil suspil'nykh nauk. (Communism) (Efficiency, Industrial)

NESTERENKO, O.O., otv.red.; BARANOVSKIY, A.M. [Beranovs'kyi, A.M.], red.; KOROID, O.S., kand.ekonom.nsuk, red.; GORELIK, L.Ye. [Horelik, L.E.], doktor ekonom.nsuk; red.; GRADOV, G.L. [Hradov, H.L.], kand.ekonom.nsuk, red.; KOZAKEVICH, T.A., red. izd-va; RAKHLIMA, B.P., tekhn.red.

[The national economy of the Ukrainian S.S.R. in the seven-year plan; its present-day conditions and prospects for its development] Narodne hospodarstvo Ukrains'koi RSR u semyrichtsi; suchsenyi stan i perspektyvy rosvytku. Kyiv, 1960. 519 p. (MIRA 13:11)

Communism and scie	ence. Nauka i zhyttia 11 no.9:3-5 S '61. (MIRA 14:10)
1. Chlen-korrespon	ndent AN USSR. (Science) (Communism)
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大学的,我们就是一个人,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一

KOROID, O.S., red.; RADCHENKO, A.Ya., doktor ekon. nauk, prof., red.;
KOBZAR, G.O.[Kobzar, H.O.], red. izd-va; KADASHEVICH, O.O.,
[Kadashevych, O.O.], tekhn. red.

[Labor productivity and hidden potentialities for increasing it in socialist agriculture]Produktyvnist' pratsi ta reservy ii pidvyshchennia v sotsialistychnomu sil's'komu hospodarstvi. Kyiv, Vyd-vo AN URSR, 1962. 254 p. (MIRA 16:2)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky. 2. Chlenkorrespondent Akademii nauk Ukr.SSR (for Koroid). (Agriculture—Labor productivity)

CHUKHNO, Anatoliy Andreyevich; KOROID, O.S., otv. red.; DROZHZHIN, Ye.V.[Drozhzhyn, IE.V.], red.; OKOPNA, O.D., tekhn. red.

[Distribution of material and cultural goods during the large-scale building of communism]Rozpodil material mykh i kul'turnykh blah v period rozhormutoho budivnytstva ko-

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munizmu. Kyiv, Vyd-vo Kyivs'koho univ., 1962. 266 p.

(Cost and standards of living)

CHUISTOV, V.M., kand. ekon. nauk; CHERNENKO, M.S.; KRASMOKUTSKAYA,
O.I.[Krasnokuts'ka, O.I.]; DROSOVSKAYA, L.I.[Drosovs'ka, L.I.];
MOKIYENKO, B.F.; DARAGAN, M.V.[Darahan, M.V.]; OGANYAN, G.A.
[Ohanian, H.A.]; TERESHCHENKO, I.P.; KRUGLIKOV, B.I.[Kruhlikov,
B.I.]; KOROID, O.S., otv. red.; IVAN'KOV, M.D., red.;
KADASHEVICH, O.O.[Kadashevych, A.A.], tekhn. red.

[Socialist reproduction of the means of production] Sotsialistychne vidtvorennia. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 298 p. (MIRA 15:12)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky. 2. Chlen-korrespondent Akademii nauk Ukr. SSR (for Koroid). 3. Institut ekonomiki Akademii nauk Ukr. SSR (for all except Koroid, Ivan'kov, Kadashevich).

(Economics)

KOROKHOV, B. L.

Biological Chemistry, Biochemistry of Plants (16548)

Izv. Mildavskogo Fil. AN SSSR, No 2, 1953, pp 75-78

Dorokhov, L. M.; Klimenko, V. G.; Korakhov, B. L.

Effect of Conditions of Mineral Nutrition on Some Physiological Indexes and on Nitrogen-Bearing Substances in Winter Wheat Grain.

Conducted experiments on the growth of various types of winter whear by using various fertilizers containing phosphorus and rotassium salts. The conditions of mineral nutrition have an effect on the form in which nitrogen exists in the grain.

So: Moscow, Referativnyy, Zhurhal -- Khimiya No 4, 1954 W-31059

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Effect of finishing on the wear resistance of machinery parts.

Mekh.sil'hosp. lo no.2:15 F'59. (NIRA 12:6)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.

(Agricultural machinery)

(Mechanical wear)

KOROKHOV, K.T., inzh.-mekhanik

Lapping machinery parts with the help of an endless abrasive belt.

Mekh. sil'. hcsp. 11 no.9:7-8 S '60. (MIRA 13:9)

(Grinding and polishing)

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USSR/Plant Physiology. Mineral Mutrition

1-3

Abs Jour : Ref Zhur - Biol. No 7, 1958, No 29411

Author

: Korokhov I.M.

Inst Title : Kishinev Agricultural Institute

: Mineral Nutrition as a Factor in the Productivity Increase

of Photosynthesis and Yield of Agricultural Plants.

Orig Pub : Tr. Kishinevsk. s. -kh. in-ta, 1957, 13, 231

Abstract : Field and vegetation experiments were carried out in 1946-1955 to study the effect of the conditions of root nutrition on the productivity of photosynthesis of various agricultural plants (grains, soya, beans, radish, sunflower and others). The positive action of optimum doses of N,P,K on the intensity and the productivity of photosynthesis and related physiological processes was noted. The shortage and surplus of basic nutrition elements shortened the period of productive photosynthesis,

Card 1/2

MINTH, I. J., ROMOTICE, T. R.

Totacco Industry

Effect of press diameter on the volume properties of totacco in making cigarettes. Tabak 14, No. 1, 1953.

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BIBIK, A.I.; GORELIK, V.I.; KOROKHOV, V.G.; POLYSHCHUK, A.V.

Efficient procedure for manufacturing rolls of reduction rolling mills. Met. 1 gornorud. prom. no.3:67 My-Je '66. (MIRA 17:10)

TALISMAN, L.V.; FOMINA, V.I.; KOROKHOVA, N.I.

Dehydration of hydrocarbon solvents with silica gel. Nefteper. i meftekhim. no.5:34-38 63. (MIRA 17:8)

l. Novokuybyshevskiy filial Nauchno-issledovatel'skogo instituta

L 5-148-55 ENT(d)/EED-2/ENP(1) Pq-4/Pg-4/Pk-4 IJP:0) BB/GG ACCESSION NR: AP5015528 UR/0286/65/000/008/0066/0066

AUTHORS: Ovehinnikov, V. N.; Korokin, P. A.; Yakutin, I. N.

TITLE: Method for inputting information into a computer. Class 42, No. 170209

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 66

TOPIC TAGS: computer input device, information processing

ABSTRACT: This Author Certificate presents a method for inputting information into a computer with the information represented in the form, for example, of a uniform telegraph code by commutation of the communication channels at the input of the computer. To input information with its transfer rate along the communication channels without intermediate storage of information in each channel, commutation of all the communication channels is produced during a time not exceeding the transfer time of one telegraph sign along a channel operating with maximal transfer rate. Interrogation of each channel is carried out in equal intervals of time less than the commutation period of one channel. The accepted information is recorded in an operational register with operational bends, the number of which corresponds to the number of service channels.

ASSOCIATION: none

Card 1/2

KOROKNAY, Andras

QUAD-antenna for TV and ultrashortwave band. Radiotechnika 10 no.4:

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VYKHODETS, D., slesar'; KUZ'MIN, L., slesar'; NAVARENKO, A. (Rubezhnoye); KOROL', A., slesar' (Kostroma); ZAYNULLIN, G. (Davlekanov, Bachkirskaya ASSR); KVITSINIYA, E.

On friends and comrades. Sov. profsolusy 18 no.8:26-28 '62. (MIRA 15:4)

1. Remontno-stroitel'nyy savod imeni Dzerzhinskogo, g. Kiyev (for Vykhodets). 2. 3-y mekhanicheskiy tsekh Chelyabinskogo traktornogo savoda (for Kus'min). 3. Master smeny kombinata proizvodstvennykh predpriyatiy Luganskoy oblasti (for Navarenko). 4. Profsoyusnyy organizator gurpp kompleksnoy brigady stroyupravleniya No.l g. Tbilisi (for Kvitsiniya). (Labor and laboring classes) (Trade unions)

VOLZHENIN, Boris Sergeyevich; POPOV, Pavel Vasil'yevich; KOROL', A., red.; NAGIBIN, P., tekhn. red.

[Noninfectious abortions in sheep] Nezaraznye aborty u ovets. Alma-Ata, Kazsel'khozgiz, 1962. 36 p. (MIRA 16:5) (Abortion in animals) (Sheep)

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NIKOLENKO, Grigoriy Filippovich; KOROL', A., red.; NAGIBIN, P., tekhn. red.

[On the virgin land] Na zemle tselinnoi. Alma-Ata, Kazsel!khozgiz, 1962. 82 p.

1. Direktor TSelinmogo nauchno-issledovatel skogo instituta mekhanizatsii sel'skogo khozyaystva (for Nikolenko). (Kazakhstan-Agriculture)

RABINOVICH, Naum Mikhaylovich; KOROL! A., otv. za vypusk; SHERMAN, R., red.; NOGIBIN, P., tekhn. red.

[Interesting stories about corn]Zanimatel'nye rasskazy o kukuruze. Alma-Ata, Kazsel'khozgiz, 1962. 230 p. (MIRA 16:4)

1. Glavnyy agronom po kukuruze Ministerstva sel'skogo khozyaystva Kazakhskoy SSR (for Rabinovich). (Kazakhstan--Corn(Maize))

SAKOVTSEV, Vyacheslav Stepanovich, kand. tekhn. nauk; KOROL', A., red.; NAGIBIN, P., tekhn. red.

[With a wide sweep] Shirokim zakhvatom. Alma-Ata, Kazsel'-khozizdat, 1963. 19 p. (MIRA 17:2)